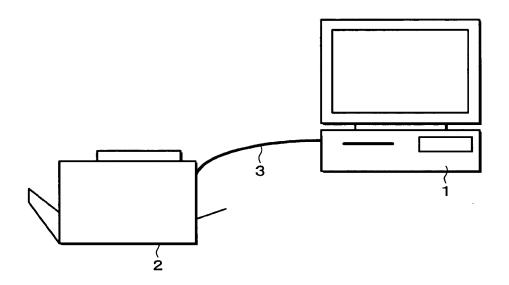


F I G. 2

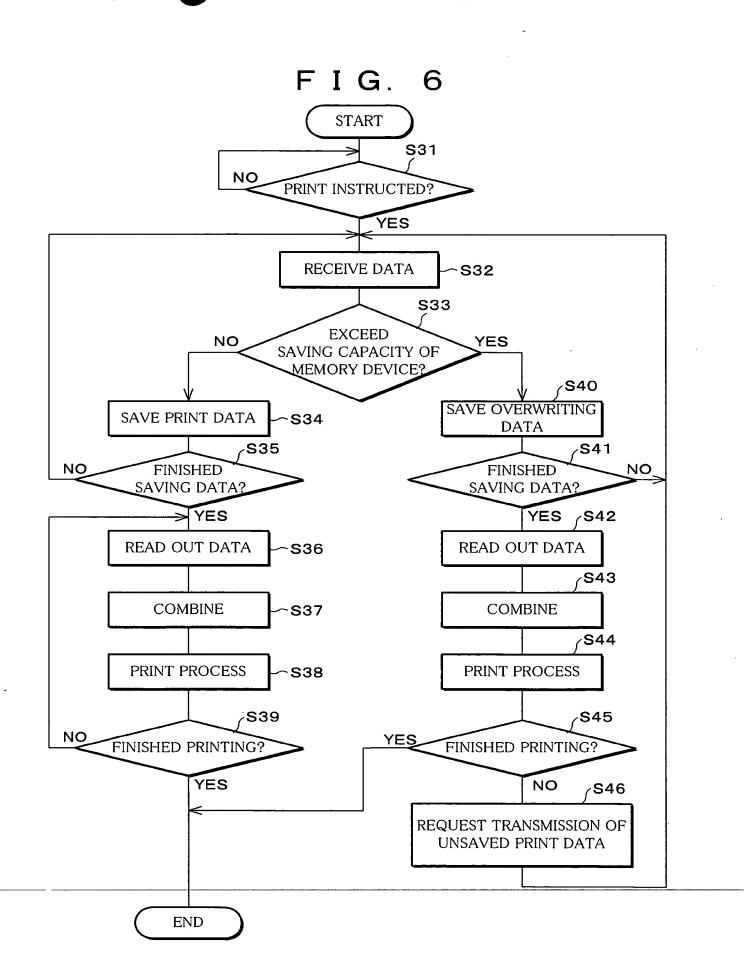


F I G. 3 **START** S1 NO PRINT INSTRUCTED? YES **S2** NO FIRST COPY? READ OUT SAVED YES S11 PRINT DATA RECEIVE DATA **S**3 PRINT PROCESS S12 PRINT PROCESS **S4** ·S13 FINISHED NO PRINTING SAVED PRINT SAVE PRINT DATA **S**5 DATA? YES **S6** S14 **EXCEED** NO **UNSAVED** YES SAVING CAPACITY OF DATA PRESENT? **S7** MEMORY DEVICE? YES <del>|</del>< STORE PAGE NO NUMBER OF **REQUEST** S15 **UNSAVED RE-TRANSMISSION PAGE** OF PRINT DATA OF **UNSAVED PAGES S8** NO RECEIVE DATA S16 END OF PRINT DATA? YES <del><</del> PRINT PROCESS ~S17 COUNT NUMBER **S9** OF COPIES S18 END OF PRINT DATA? **S10** YES FINISHED NO PRINTING ALL NO COPIES? YES **END** 

# FIG. 4

< <first copy="">&gt;</first>	RECEIVED PRINT DATA 13	PRINT DATA 14 OF MEMORY DEVICE 6	OUTPUT PRINT DATA 15
STATE 1			
SIAILI			
STATE 2	1	1	1
STATE 3	2	1 2	2
STATE 4	K-1	1 2 ····· K-2 K-1	K-1
STATE 5	К	1 2 ····· K-2 K-1	K
STATE 6	K+1	1 2 ····· K-2 K-1	K+1
STATE 7	N	1 2 ····· K-2 K-1	N
< <second and<="" td=""><td>SUBSEQUENT COF</td><td>PIES&gt;&gt;</td><td></td></second>	SUBSEQUENT COF	PIES>>	
STATE 8		1 2 ····· K-2 K-1	1
STATE 9		1 2 ····· K-2 K-1	2
STATE 10		1 2 ····· K-2 K-1	K-1

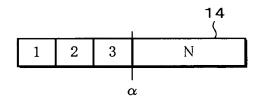
< <first copy="">&gt;</first>	RECEIVED PRINT DATA 13	PRINT DATA 14 OF MEMORY DEVICE	OUTPUT PRINT DATA 15
STATE 1			
STATE 2	1	1	1
STATE 3	2	1 2	2
STATE 4	K	1 2 ····· K-1 K	K
STATE 5	K+1	K+1 2 K-2 K-1	K+1
STATE 6	N	M M+1 N-1 N	N
< <second and="" s<="" td=""><td>SUBSEQUENT COP</td><td>PIES&gt;&gt;</td><td></td></second>	SUBSEQUENT COP	PIES>>	
STATE 7	1	M M+1 N-1 N	1
STATE 8	2	M M+1 · · · · · N-1 N	2
STATE 9	M-1	M M+1 N-1 N	M-1
STATE 10		M M+1 ···· N-1 N	М
STATE 11		M M+1 N-1 N	N



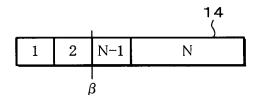
	RECEIVED PRINT DATA	13	OF M	T DA MEMC ICE 6		Į			OUTPUT PRINT DATA 15
STATE 1									.]
STATE 2	1	1	· · · - · · ·						]
STATE 3	2	1 2		····· · · ·					]
STATE 4	K	1 2	•••	•••	····	•••	K-1	K	]
STATE 5	K+1	1 2	•••	• • •	K+1	•••	K-1	K	]
STATE 6	N	1 2		• • •	M	•••	N-1	N	2 N-1 1 N

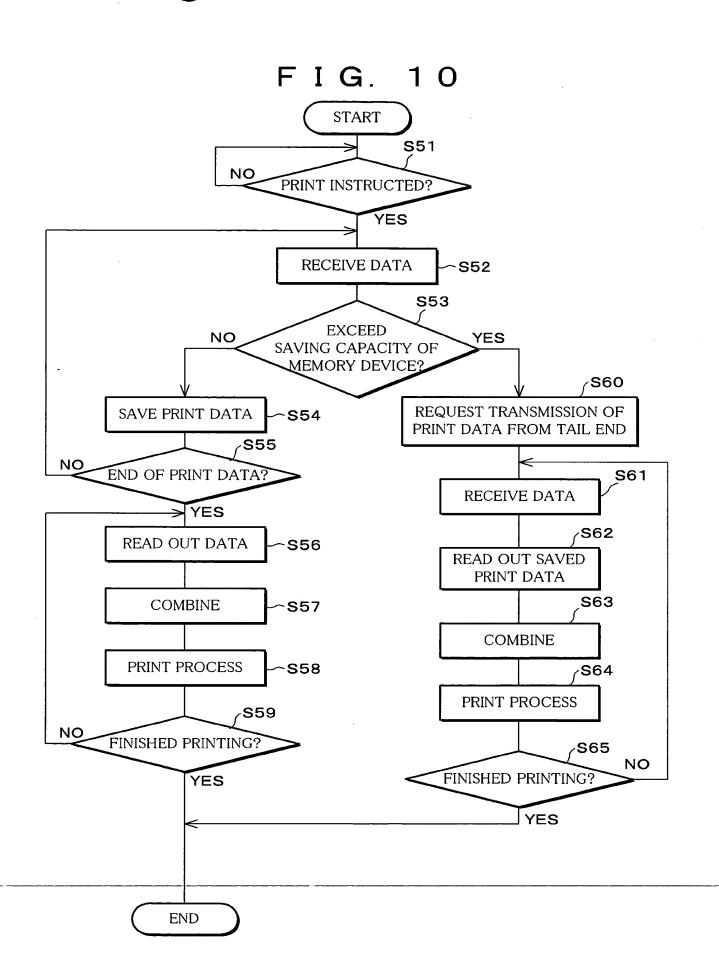
RECEIVED PRINT DATA 14 **OUTPUT PRINT** PRINT DATA 13 OF MEMORY DATA 15 **DEVICE** STATE 1 STATE 2 1 STATE 3 2 2 1 2K 1 2 K K+1 2K STATE 4 2 K K+2 2K 2K+1 STATE 5 2K+1 1 STATE 6 N 1 2 K N-K+1 N-1Ν N-K+1 STATE 7 Ν 1 K+2 STATE 8 K+1 K K+1 K+2 N-K+1 N-12 N-13 N-2STATE 9 K-1 K K+1 N-K+1 N-K+2 K-1 N-K+2 N-K+1

### F I G. 9 (a)



### F I G. 9 (a)





	RECEIVED PRINT DATA 13	PRINT DATA 14 OF MEMORY DEVICE	OUTPUT PRINT DATA 15
STATE 1			
STATE 2	1	1	
STATE 3	2	1 2	
STATE 4	K-1	1 2 ····· K-1	
STATE 5	К	1 2 ····· K-1 K	
STATE 6	N N-1	1 2 ····· K-1 K	2 N-1 1 N
STATE 7		M M+1	M+1 M+2 M M+3

#### FIG. 12

RECEIVED PRINT DATA 13 PRINT DATA 14 OF MEMORY DEVICE OUTPUT PRINT DATA 15

STATE 1

1 2 ..... N-1 N

2 N-1 1 N

STATE 2

K K-1

3,N-2 4,N-3 ···· K-1 K